



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/647,586 A  
Source: 1FW/6  
Date Processed by STIC: 2/17/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 09/647,586A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length     The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII     The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length     Sequence(s)          contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)         . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)     Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  

(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)     Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence.  

<210> sequence id number  
<400> sequence id number  
000
- 9      Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  

Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>     Sequence(s)          missing the <220> "Feature" and associated numeric identifiers and responses.  

Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n/Xaa     "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFW16

## RAW SEQUENCE LISTING

DATE: 02/17/2004

PATENT APPLICATION: US/09/647,586A

TIME: 12:28:59

Input Set : A:\RDID 0063.ST25.txt

Output Set: N:\CRF4\02172004\I647586A.raw

3 <110> APPLICANT: Kitas, Eric  
 4 Schlaeger, Ernst-Jurgen  
 6 <120> TITLE OF INVENTION: NEW COMPOUNDS FOR DNA TRANSFECTION  
 8 <130> FILE REFERENCE: RDID 0063  
 10 <140> CURRENT APPLICATION NUMBER: 09/647,586A  
 11 <141> CURRENT FILING DATE: 2000-12-22  
 13 <150> PRIOR APPLICATION NUMBER: PCT/EP99/02361  
 14 <151> PRIOR FILING DATE: 1999-04-07  
 16 <150> PRIOR APPLICATION NUMBER: EP 98124837.0  
 17 <151> PRIOR FILING DATE: 1998-12-30  
 19 <150> PRIOR APPLICATION NUMBER: EP 98106302.7  
 20 <151> PRIOR FILING DATE: 1998-04-07  
 22 <160> NUMBER OF SEQ ID NOS: 3  
 24 <170> SOFTWARE: PatentIn version 3.2  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 25  
 28 <212> TYPE: PRT  
 29 <213> ORGANISM: Artificial  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Artificial  
 34 <400> SEQUENCE: 1  
 36 Gln Gln Arg Lys Arg Lys Ile Trp Ser Ile Leu Ala Pro Leu Gly Thr  
 37 1 5 10 15  
 40 Thr Leu Val Lys Leu Val Ala Gly Ile  
 41 20 25  
 44 <210> SEQ ID NO: 2  
 45 <211> LENGTH: 26  
 46 <212> TYPE: PRT  
 47 <213> ORGANISM: Artificial  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: Artificial  
 52 <400> SEQUENCE: 2  
 54 Gln Gln Arg Lys Arg Lys Ile Trp Ser Ile Leu Ala Pro Leu Gly Thr  
 55 1 5 10 15  
 58 Thr Leu Val Lys Leu Val Ala Gly Ile Cys  
 59 20 25  
 62 <210> SEQ ID NO: 3  
 63 <211> LENGTH: 7  
 64 <212> TYPE: PRT  
 65 <213> ORGANISM: Artificial  
 67 <220> FEATURE:  
 68 <223> OTHER INFORMATION: Artificial  
 70 <400> SEQUENCE: 3

Does Not Comply  
Corrected Diskette Needed

insufficient explanation - give source of  
genetic material  
(see item 11 on  
Error Summary  
Sheet)

same error

same

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Input Set : A:\RDID 0063.ST25.txt

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72 Arg Cys Gln Lys Ser Thr Trp

73 1 5

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/647,586A

DATE: 02/17/2004  
TIME: 12:29:00

Input Set : A:\RDID 0063.ST25.txt  
Output Set: N:\CRF4\02172004\I647586A.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3

**VERIFICATION SUMMARY**

DATE: 02/17/2004

PATENT APPLICATION: US/09/647,586A

TIME: 12:29:00

Input Set : A:\RDID 0063.ST25.txt

Output Set: N:\CRF4\02172004\I647586A.raw